

UMAC Series 400 Blue Label Excess Flow Valves

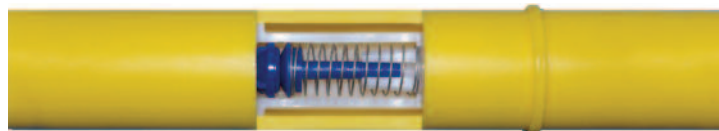
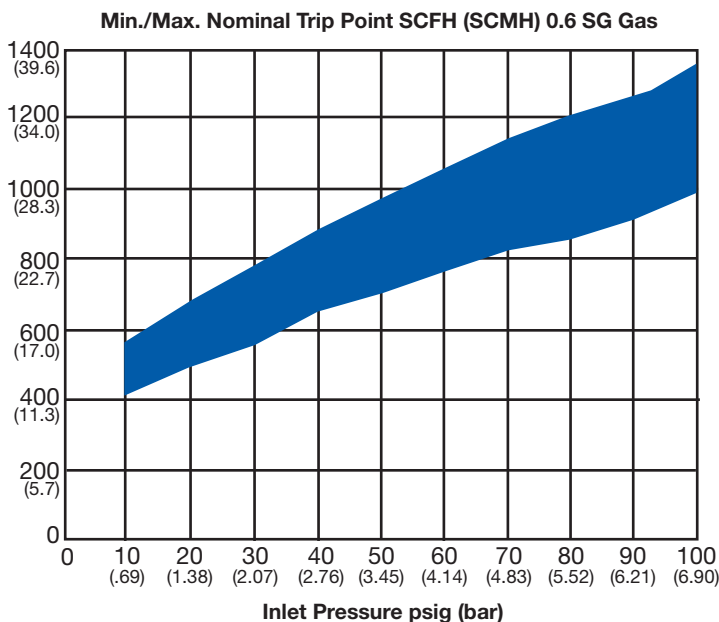
Donkin Flow Limitor® 10 psig to 1,000 psig (690 mbar to 69 bar) – Inlet Pressure

Inlet Pressure		SERIES 400 Nom. Min. Trip Point 0.6 SG Gas		Bypass Flow After Trip (Nom. Max) 0.6 SG Gas	
psig	bar	SCFH	SCMH	SCFH	SCMH
10	0.69	400	11.33	20	0.57
15	1.03	430	12.18	23	0.65
20	1.38	490	13.88	25	0.71
30	2.07	560	15.86	28	0.79
40	2.76	640	18.12	32	0.91
50	3.45	700	19.82	35	0.99
60	4.14	760	21.52	37	1.05
70	4.83	810	22.94	39	1.10
80	5.52	860	24.35	41	1.16
90	6.21	910	25.77	46	1.30
100	6.90	970	27.47	50	1.42
150	10.34	1,160	32.85	75	2.12
200	13.79	1,180	33.41	88	2.44
250	17.24	1,310	37.10	115	3.26
300	20.69	1,450	41.06	130	3.68
350	24.14	1,540	43.61	155	4.39
400	27.59	1,630	46.16	175	4.96
450	31.03	1,720	48.70	185	5.24
500	34.48	1,760	49.84	195	5.52
550	37.93	1,850	52.39	215	6.09
600	41.38	1,920	54.37	240	6.80
650	44.83	1,990	56.35	260	7.36
700	48.28	2,060	58.33	275	7.79
750	51.72	2,130	60.31	295	8.35
800	55.17	2,199	62.27	310	8.78
850	58.62	2,267	64.21	330	9.34
900	62.07	2,335	66.12	350	9.91
950	65.52	2,402	68.01	370	10.48
1,000	68.97	2,467	69.85	385	10.90

Note:

Calculate service line capacities from given flow and pressure drop data to ensure adequate flow capacity is available to operate valve. For additional assistance with sizing and technical information on UMAC Excess Flow Valves, please contact GasBreaker, Inc.

TRIP RANGE CHART



AVAILABILITY

UMAC Series 400 EFVs available in sizes ranging from ¼ IPS – 2 IPS sticks and prefabricated models in other sizes. (see page 4 for examples)

**All valves comply with: DOT Part 192.381, ASTM F 2138 and MSS SP-115: Excess Flow Valves
Tested to, or in accordance with, ASTM F 1802: Standard Test Method for Performance Testing of Excess Flow Valves**

AVERAGE PRESSURE DROP AT AN INLET PRESSURE OF 10 PSIG (0.69 BAR)

UMAC EFV	Typical Customer Gas Load (0.6 SG Gas)		Average Pressure Drop Across Valve	
	SCFH	SCMH	psi	mbar
Series 400	275	7.79	1.38	94.83



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